

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

## References

- [1] Agueda, N., R. Vainio, D. Lario, and B. Sanahuja (2008), Injection and Interplanetary Transport of Near-Relativistic Electrons: Modeling the Impulsive Event on 2000 May 1, *Astrophys. J.*, *675*, 1601–1613, doi:10.1086/527527.
- [2] Alexandrova, O., V. Carbone, P. Veltri, and L. Sorriso-Valvo (2008), Small-Scale Energy Cascade of the Solar Wind Turbulence, *Astrophys. J.*, *674*, 1153–1157, doi:10.1086/524056.
- [3] Aschwanden, M. J., L. F. Burlaga, M. L. Kaiser, C. K. Ng, D. V. Reames, M. J. Reiner, T. I. Gombosi, N. Lugaz, W. Manchester, I. I. Roussev, T. H. Zurbuchen, C. J. Farrugia, A. B. Galvin, M. A. Lee, J. A. Linker, Z. Mikić, P. Riley, D. Alexander, A. W. Sandman, J. W. Cook, R. A. Howard, D. Odstrčil, V. J. Pizzo, J. Kóta, P. C. Liewer, J. G. Luhmann, B. Inhester, R. W. Schwenn, S. K. Solanki, V. M. Vasyliunas, T. Wiegelmans, L. Blush, P. Bochsler, I. H. Cairns, P. A. Robinson, V. Bothmer, K. Kecskemety, A. Llebaria, M. Maksimovic, M. Scholer, and R. F. Wimmer-Schweingruber (2008), Theoretical modeling for the stereo mission, *Space Sci. Rev.*, *136*, 565–604, doi:10.1007/s11214-006-9027-8.
- [4] Ashour-Abdalla, M., R. J. Walker, V. Peroomian, and M. El-Alaoui (2008), On the importance of accurate solar wind measurements for studying magnetospheric dynamics, *J. Geophys. Res.*, *113*, A08,204, doi:10.1029/2007JA012785.
- [5] Ashour-Abdalla, M., J.-M. Bosqued, M. El-Alaoui, V. Peroomian, T. Umeda, and R. J. Walker (2008), Modeling PSBL high speed ion beams observed by Cluster and Double Star, *Adv. Space Res.*, *41*, 1598–1610, doi:10.1016/j.asr.2007.04.018.
- [6] Attrill, G. D. R., L. van Driel-Gesztelyi, P. Démoulin, A. N. Zhukov, K. Steed, L. K. Harra, C. H. Mandrini, and J. Linker (2008), The Recovery of CME-Related Dimmings and the ICME's Enduring Magnetic Connection to the Sun, *Solar Phys.*, *252*, 349–372, doi:10.1007/s11207-008-9255-z.
- [7] Bale, S. D. (2008), What keeps the solar wind hot?, *Phys. Online J.*, *1*, 42–+, doi:10.1103/Physics.1.42.
- [8] Bale, S. D., R. Ullrich, K. Goetz, N. Alster, B. Cecconi, M. Dekkali, N. R. Lingner, W. Macher, R. E. Manning, J. McCauley, S. J. Monson, T. H. Oswald, and M. Pulupa (2008), The Electric Antennas for the STEREO/WAVES Experiment, *Space Sci. Rev.*, *136*, 529–547, doi:10.1007/s11214-007-9251-x.
- [9] Belakhovsky, V. B., and V. C. Roldugin (2008), Generation of Pc5 pulsations during the sign reversal of the IMF  $B_z$  component, *Geomagnetism and Aeronomy*, *48*, 180–186, doi:10.1134/S0016793208020072.
- [10] Bellm, E. C., K. Hurley, V. Pal'shin, K. Yamaoka, M. S. Bandstra, S. E. Boggs, S. Hong, N. Kodaka, A. S. Kozyrev, M. L. Litvak, I. G. Mitrofanov, Y. E. Nakagawa, M. Ohno, K. Onda, A. B. Sanin, S. Sugita, M. Tashiro, V. I. Tretyakov, Y. Urata, and C. Wigger

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- (2008), Observations of the Prompt Gamma-Ray Emission of GRB 070125, *Astrophys. J.*, **688**, 491–498, doi:10.1086/592136.
- [11] Belov, A. V., E. A. Eroshenko, V. A. Oleneva, and V. G. Yanke (2008), Connection of Forbush effects to the X-ray flares, *J. Atmos. Solar-Terr. Phys.*, **70**, 342–350, doi:10.1016/j.jastp.2007.08.021.
- [12] Biktash, L. (2008), The Solar Wind Energy Input Rate and Recovery of the Magnetospheric Ring Current during the Last Two Solar Cycles, *Sun and Geosphere*, **3**, 46–51.
- [13] Biktash, L. Z., T. Maruyama, and K. Nozaki (2008), The solar wind control of the equatorial ionosphere dynamics during geomagnetic storms, *Adv. Space Res.*, **41**, 562–568, doi:10.1016/j.asr.2007.04.087.
- [14] Bisi, M. M., B. V. Jackson, P. P. Hick, A. Buffington, D. Odstrcil, and J. M. Clover (2008), Three-dimensional reconstructions of the early November 2004 Coordinated Data Analysis Workshop geomagnetic storms: Analyses of STELAb IPS speed and SMEI density data, *J. Geophys. Res.*, **113**, A00A11, doi:10.1029/2008JA013222.
- [15] Blanco, J. J., J. Rodriguez-Pacheco, M. A. Hidalgo, and J. Sequeiros (2008), Monitoring the heliospheric current sheet local structure for the years 1995 to 2001, *J. Atmos. Solar-Terr. Phys.*, **70**, 226–233, doi:10.1016/j.jastp.2007.08.030.
- [16] Bochsler, P. (2009), Composition of matter in the heliosphere, in *IAU Symposium, IAU Symposium*, vol. 257, edited by N. Gopalswamy & D. F. Webb, pp. 17–28, doi:10.1017/S1743921309029044.
- [17] Bonnin, X., S. Hoang, and M. Maksimovic (2008), The directivity of solar type III bursts at hectometer and kilometer wavelengths: Wind-Ulysses observations, *Astron. & Astrophys.*, **489**, 419–427, doi:10.1051/0004-6361:200809777.
- [18] Bougeret, J. L., K. Goetz, M. L. Kaiser, S. D. Bale, P. J. Kellogg, M. Maksimovic, N. Monge, S. J. Monson, P. L. Astier, S. Davy, M. Dekkali, J. J. Hinze, R. E. Manning, E. Aguilar-Rodriguez, X. Bonnin, C. Briand, I. H. Cairns, C. A. Cattell, B. Cecconi, J. Eastwood, R. E. Ergun, J. Fainberg, S. Hoang, K. E. J. Huttunen, S. Krucker, A. Lecacheux, R. J. MacDowall, W. Macher, A. Mangeney, C. A. Meetre, X. Moussas, Q. N. Nguyen, T. H. Oswald, M. Pulupa, M. J. Reiner, P. A. Robinson, H. Rucker, C. Salem, O. Santolik, J. M. Silvis, R. Ullrich, P. Zarka, and I. Zouganelis (2008), S/WAVES: The Radio and Plasma Wave Investigation on the STEREO Mission, *Space Sci. Rev.*, **136**, 487–528, doi:10.1007/s11214-007-9298-8.
- [19] Burlaga, L. F., N. F. Ness, M. H. Acuña, Y.-M. Wang, N. R. Sheeley, C. Wang, and J. D. Richardson (2008), Global structure and dynamics of large-scale fluctuations in the solar wind: Voyager 2 observations during 2005 and 2006, *J. Geophys. Res.*, **113**, A02,104, doi:10.1029/2007JA012796.
- [20] Burlon, D., G. Ghirlanda, G. Ghisellini, D. Lazzati, L. Nava, M. Nardini, and A. Celotti (2008), Precursors in Swift Gamma Ray Bursts with Redshift, *Astrophys. J.*, **685**, L19–L22, doi:10.1086/592350.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [21] Bzowski, M. (2008), Survival probability and energy modification of hydrogen energetic neutral atoms on their way from the termination shock to Earth orbit, *Astron. & Astrophys.*, *488*, 1057–1068, doi:10.1051/0004-6361:200809393.
- [22] Cecconi, B., X. Bonnin, S. Hoang, M. Maksimovic, S. D. Bale, J.-L. Bougeret, K. Goetz, A. Lecacheux, M. J. Reiner, H. O. Rucker, and P. Zarka (2008), STEREO/Waves Goniopolarimetry, *Space Sci. Rev.*, *136*, 549–563, doi:10.1007/s11214-007-9255-6.
- [23] Chandran, B. D. G. (2008), Strong Anisotropic MHD Turbulence with Cross Helicity, *Astrophys. J.*, *685*, 646–658, doi:10.1086/589432.
- [24] Chapman, S. C., B. Hnat, and K. Kiyani (2008), Solar cycle dependence of scaling in solar wind fluctuations, *Nonlin. Proc. Geophys.*, *15*, 445–455.
- [25] Chollet, E. E., and J. Giacalone (2008), Multispacecraft Analysis of Energetic Ion Flux Dropouts, *Astrophys. J.*, *688*, 1368–1373, doi:10.1086/592378.
- [26] Christe, S., S. Krucker, and R. P. Lin (2008), Hard X-Rays Associated with Type III Radio Bursts, *Astrophys. J.*, *680*, L149–L152, doi:10.1086/589971.
- [27] Crooker, N. U., and C. Pagel (2008), Residual strahls in solar wind electron dropouts: Signatures of magnetic connection to the Sun, disconnection, or interchange reconnection?, *J. Geophys. Res.*, *113*, A02,106, doi:10.1029/2007JA012421.
- [28] Crooker, N. U., S. W. Kahler, J. T. Gosling, and R. P. Lepping (2008), Evidence in magnetic clouds for systematic open flux transport on the Sun, *J. Geophys. Res.*, *113*, A12,107, doi:10.1029/2008JA013628.
- [29] Dasso, S., W. H. Matthaeus, J. M. Weygand, and et al. (2008), ACE/Wind multispacecraft analysis of the magnetic correlation in the solar wind, in *International Cosmic Ray Conference*, *International Cosmic Ray Conference*, vol. 1, pp. 625–628.
- [30] DeJong, A. D., A. J. Ridley, and C. R. Clauer (2008), Balanced reconnection intervals: four case studies, *Ann. Geophys.*, *26*, 3897–3912, doi:10.5194/angeo-26-3897-2008.
- [31] Démoulin, P., M. S. Nakwacki, S. Dasso, and C. H. Mandrini (2008), Expected In Situ Velocities from a Hierarchical Model for Expanding Interplanetary Coronal Mass Ejections, *Solar Phys.*, *250*, 347–374, doi:10.1007/s11207-008-9221-9.
- [32] Denton, M. H., and J. E. Borovsky (2008), Superposed epoch analysis of high-speed-stream effects at geosynchronous orbit: Hot plasma, cold plasma, and the solar wind, *J. Geophys. Res.*, *113*, A07216, doi:10.1029/2007JA012998.
- [33] Denton, M. H., and M. G. G. T. Taylor (2008), Solar wind dependence of ion parameters in the Earth's magnetospheric region calculated from CLUSTER observations, *Ann. Geophys.*, *26*, 387–394, doi:10.5194/angeo-26-387-2008.
- [34] Despirak, I. V., A. A. Lubchich, H. K. Biernat, and A. G. Yahnin (2008), Poleward expansion of the westward electrojet depending on the solar wind and IMF parameters, *Geomagnetism and Aeronomy*, *48*, 284–292, doi:10.1134/S001679320803002X.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [35] Dorotovič, I., K. Kudela, M. Lorenc, and M. Rybanský (2008), On 17–22 January 2005 Events in Space Weather, *Solar Phys.*, **250**, 339–346, doi:10.1007/s11207-008-9222-8.
- [36] Dudnik, A. V., and A. V. Dmitriev (2008), Magnetospheric source of UHF radio bursts at mid-latitudes during the magnetic storm on October 22, 1999, *Solar System Res.*, **42**, 183–193, doi:10.1134/S0038094608030015.
- [37] Dunik, A. V., I. N. Myagkova, E. A. Murav'eva, and Y. F. Yurovsky (2008), Search for the relationship between background VHF radio bursts and energetic particle dynamics based on data from the MKL instrument onboard the CORONAS-F satellite, *Solar System Res.*, **42**, 72–82, doi:10.1134/S0038094608010085.
- [38] Dyrud, L. P., R. Behnke, E. L. Kepko, M. Sulzer, and S. Zafke (2008), Ionospheric ULF oscillations driven from above Arecibo, *Geophys. Res. Lett.*, **35**, L14,101, doi:10.1029/2008GL034073.
- [39] Echer, E., A. Korth, Q.-G. Zong, M. Fränz, W. D. Gonzalez, F. L. Guarnieri, S. Y. Fu, and H. Reme (2008), Cluster observations of O<sup>+</sup> escape in the magnetotail due to shock compression effects during the initial phase of the magnetic storm on 17 August 2001, *J. Geophys. Res.*, **113**, A05,209, doi:10.1029/2007JA012624.
- [40] Efimov, A. I., V. K. Rudash, L. N. Samoznaev, M. K. Bird, I. V. Chashei, and D. Plette-meier (2008), Coronal radio-sounding detection of a CME during the 1997 Galileo solar conjunction, *Adv. Space Res.*, **42**, 110–116, doi:10.1016/j.asr.2007.11.006.
- [41] Egedal, J., W. Fox, N. Katz, M. Porkolab, M. Øieroset, R. P. Lin, W. Daughton, and J. F. Drake (2008), Evidence and theory for trapped electrons in guide field magnetotail reconnection, *J. Geophys. Res.*, **113**, A12,207, doi:10.1029/2008JA013520.
- [42] El-Alaoui, M., M. Ashour-Abdalla, J. M. Bosqued, and R. L. Richard (2008), Understanding magnetotail current sheet meso-scale structures using MHD simulations, *Adv. Space Res.*, **41**, 1630–1642, doi:10.1016/j.asr.2007.05.061.
- [43] Escoubet, C. P., J. Berchem, J. M. Bosqued, K. J. Trattner, M. G. G. T. Taylor, F. Pitout, C. Vallat, H. Laakso, A. Masson, M. Dunlop, H. Reme, I. Dandouras, and A. Fazakerley (2008), Two sources of magnetosheath ions observed by Cluster in the mid-altitude polar cusp, *Adv. Space Res.*, **41**, 1528–1536, doi:10.1016/j.asr.2007.04.031.
- [44] Escoubet, C. P., J. Berchem, J. M. Bosqued, K. J. Trattner, M. G. G. T. Taylor, F. Pitout, H. Laakso, A. Masson, M. Dunlop, I. Dandouras, H. Reme, A. N. Fazakerley, and P. Daly (2008), Effect of a northward turning of the interplanetary magnetic field on cusp precipitation as observed by Cluster, *J. Geophys. Res.*, **113**, A07S13, doi:10.1029/2007JA012771.
- [45] Eselevich, M. V., V. G. Eselevich, and K. Fujiki (2008), Origins and properties of the quasi-stationary slow solar wind, *Astron. Rep.*, **52**, 576–589, doi:10.1134/S1063772908070068.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [46] Farrugia, C. J., F. T. Gratton, V. K. Jordanova, H. Matsui, S. Mühlbachler, R. B. Torbert, K. W. Ogilvie, and H. J. Singer (2008), Tenuous solar winds: Insights on solar wind magnetosphere interactions, *J. Atmos. Solar-Terr. Phys.*, **70**, 371–376, doi: 10.1016/j.jastp.2007.08.032.
- [47] Feng, H. Q., D. J. Wu, C. C. Lin, J. K. Chao, L. C. Lee, and L. H. Lyu (2008), Interplanetary small- and intermediate-sized magnetic flux ropes during 1995–2005, *J. Geophys. Res.*, **113**, A12,105, doi:10.1029/2008JA013103.
- [48] Gaelzer, R., L. F. Ziebell, A. F. Viñas, P. H. Yoon, and C.-M. Ryu (2008), Asymmetric Solar Wind Electron Superthermal Distributions, *Astrophys. J.*, **677**, 676–682, doi: 10.1086/527430.
- [49] Gopalswamy, N. (2008), Type II Radio Emission and Solar Energetic Particle Events, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1039, edited by G. Li, Q. Hu, O. Verkhoglyadova, G. P. Zank, R. P. Lin, & J. Luhmann , pp. 196–202, doi:10.1063/1.2982445.
- [50] Gopalswamy, N. (2008), Solar connections of geoeffective magnetic structures, *J. Atmos. Solar-Terr. Phys.*, **70**, 2078–2100, doi:10.1016/j.jastp.2008.06.010.
- [51] Gopalswamy, N., S. Yashiro, H. Xie, S. Akiyama, E. Aguilar-Rodriguez, M. L. Kaiser, R. A. Howard, and J.-L. Bougeret (2008), Radio-Quiet Fast and Wide Coronal Mass Ejections, *Astrophys. J.*, **674**, 560–569, doi:10.1086/524765.
- [52] Gopalswamy, N., S. Akiyama, S. Yashiro, G. Michalek, and R. P. Lepping (2008), Solar sources and geospace consequences of interplanetary magnetic clouds observed during solar cycle 23, *J. Atmos. Solar-Terr. Phys.*, **70**, 245–253, doi:10.1016/j.jastp.2007.08.070.
- [53] Gopalswamy, N., S. Yashiro, S. Akiyama, P. Mäkelä, H. Xie, M. L. Kaiser, R. A. Howard, and J. L. Bougeret (2008), Coronal mass ejections, type II radio bursts, and solar energetic particle events in the SOHO era, *Ann. Geophys.*, **26**, 3033–3047, doi:10.5194/angeo-26-3033-2008.
- [54] Gosling, J. T., and A. Szabo (2008), Bifurcated current sheets produced by magnetic reconnection in the solar wind, *J. Geophys. Res.*, **113**, A10,103, doi:10.1029/2008JA013473.
- [55] Halekas, J. S., G. T. Delory, D. A. Brain, R. P. Lin, and D. L. Mitchell (2008), Density cavity observed over a strong lunar crustal magnetic anomaly in the solar wind: A mini-magnetosphere?, *Planet. Space Sci.*, **56**, 941–946, doi:10.1016/j.pss.2008.01.008.
- [56] Han, D.-S., H.-G. Yang, M. Nosé, D.-H. Huang, Z.-T. Chen, and H.-Q. Hu (2008), Dawn-side particle injection caused by sudden enhancement of solar wind dynamic pressure, *J. Atmos. Solar-Terr. Phys.*, **70**, 1995–1999, doi:10.1016/j.jastp.2008.07.019.
- [57] Hellinger, P., and P. M. Trávníček (2008), Oblique proton fire hose instability in the expanding solar wind: Hybrid simulations, *J. Geophys. Res.*, **113**, A10,109, doi: 10.1029/2008JA013416.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [58] Hocke, K. (2008), Oscillations of global mean TEC, *J. Geophys. Res.*, **113**, A04302, doi: 10.1029/2007JA012798.
- [59] Howarth, A., and A. W. Yau (2008), The effects of IMF and convection on thermal ion outflow in magnetosphere-ionosphere coupling, *J. Atmos. Solar-Terr. Phys.*, **70**, 2132–2143, doi:10.1016/j.jastp.2008.08.008.
- [60] Huang, C.-L., H. E. Spence, H. J. Singer, and N. A. Tsyganenko (2008), A quantitative assessment of empirical magnetic field models at geosynchronous orbit during magnetic storms, *J. Geophys. Res.*, **113**, A04,208, doi:10.1029/2007JA012623.
- [61] Huang, C.-S. (2008), Global characteristics of ionospheric electric fields and disturbances during the first hours of magnetic storms, *Adv. Space Res.*, **41**, 527–538, doi: 10.1016/j.asr.2007.08.026.
- [62] Huang, F. C., Z. W. Ma, and Z. M. Sheng (2008), A Hall MHD model to study energetic charged particle events produced during fluctuations in the interplanetary magnetic field intensity, *Planet. Space Sci.*, **56**, 913–916, doi:10.1016/j.pss.2007.12.015.
- [63] Hudson, M. K., B. T. Kress, H.-R. Mueller, J. A. Zastrow, and J. Bernard Blake (2008), Relationship of the Van Allen radiation belts to solar wind drivers, *J. Atmos. Solar-Terr. Phys.*, **70**, 708–729, doi:10.1016/j.jastp.2007.11.003.
- [64] Huttunen, K. E. J., S. D. Bale, and C. Salem (2008), Wind observations of low energy particles within a solar wind reconnection region, *Ann. Geophys.*, **26**, 2701–2710, doi: 10.5194/angeo-26-2701-2008.
- [65] Huttunen, K. E. J., S. P. Kilpua, A. Pulkkinen, A. Viljanen, and E. Tanskanen (2008), Solar wind drivers of large geomagnetically induced currents during the solar cycle 23, *Space Weather*, **6**, S10002, doi:10.1029/2007SW000374.
- [66] Inoue, Y., T. Totani, and Y. Ueda (2008), The Cosmic MeV Gamma-Ray Background and Hard X-Ray Spectra of Active Galactic Nuclei: Implications for the Origin of Hot AGN Coronae, *Astrophys. J.*, **672**, L5–L8, doi:10.1086/525848.
- [67] Izmodenov, V. V., Y. G. Malama, and M. S. Ruderman (2008), Modeling of the outer heliosphere with the realistic solar cycle, *Adv. Space Res.*, **41**, 318–324, doi: 10.1016/j.asr.2007.06.033.
- [68] Jackson, B. V., M. M. Bisi, P. P. Hick, A. Buffington, J. M. Clover, and W. Sun (2008), Solar Mass Ejection Imager 3-D reconstruction of the 27-28 May 2003 coronal mass ejection sequence, *J. Geophys. Res.*, **113**, A00A15, doi:10.1029/2008JA013224.
- [69] Jian, L., C. T. Russell, J. G. Luhmann, and R. M. Skoug (2008), Evolution of solar wind structures from 0.72 to 1 AU, *Adv. Space Res.*, **41**, 259–266, doi:10.1016/j.asr.2007.03.023.
- [70] Kahler, S. W. (2008), Time scales of solar energetic particle events and solar wind stream types, in *International Cosmic Ray Conference*, *International Cosmic Ray Conference*, vol. 1, pp. 143–146.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [71] Kartavykh, Y. Y., W. Dröge, B. Klecker, and et al. (2008), Acceleration and transport modeling in the 2000 May 1 SEP event, in *International Cosmic Ray Conference, International Cosmic Ray Conference*, vol. 1, pp. 79–82.
- [72] Kasahara, Y., Y. Goto, K. Hashimoto, T. Imachi, A. Kumamoto, T. Ono, and H. Matsumoto (2008), Plasma wave observation using waveform capture in the Lunar Radar Sounder on board the SELENE spacecraft, *Earth, Planets, and Space*, **60**, 341–351.
- [73] Kasper, J. C., A. J. Lazarus, and S. P. Gary (2008), Hot Solar-Wind Helium: Direct Evidence for Local Heating by Alfvén-Cyclotron Dissipation, *Phys. Rev. Lett.*, **101**, 261,103+, doi:10.1103/PhysRevLett.101.261103.
- [74] Kataoka, R., and Y. Miyoshi (2008), Average profiles of the solar wind and outer radiation belt during the extreme flux enhancement of relativistic electrons at geosynchronous orbit, *Ann. Geophys.*, **26**, 1335–1339, doi:10.5194/angeo-26-1335-2008.
- [75] Kimura, S., and T. Nakagawa (2008), Electromagnetic full particle simulation of the electric field structure around the moon and the lunar wake, *Earth, Planets, and Space*, **60**, 591–599.
- [76] Klassen, A., R. Gómez-Herrero, E. Böhm, R. Müller-Mellin, B. Heber, and R. Wimmer-Schweingruber (2008), COSTEP/SOHO observations of energetic electrons far upstream of the Earth's bow-shock, *Ann. Geophys.*, **26**, 905–912, doi:10.5194/angeo-26-905-2008.
- [77] Klein, K.-L., S. Krucker, G. Lointier, and A. Kerdraon (2008), Open magnetic flux tubes in the corona and the transport of solar energetic particles, *Astron. & Astrophys.*, **486**, 589–596, doi:10.1051/0004-6361:20079228.
- [78] Kocevski, D., and N. Butler (2008), Gamma-Ray Burst Energetics in the Swift Era, *Astrophys. J.*, **680**, 531–538, doi:10.1086/586693.
- [79] Koleva, R., and J.-A. Sauvaud (2008), Plasmas in the near-Earth magnetotail lobes: Properties and sources, *J. Atmos. Solar-Terr. Phys.*, **70**, 2118–2131, doi:10.1016/j.jastp.2008.03.025.
- [80] Korth, H., B. J. Anderson, J. G. Lyon, and M. Wiltberger (2008), Comparison of Birkeeland current observations during two magnetic cloud events with MHD simulations, *Ann. Geophys.*, **26**, 499–516, doi:10.5194/angeo-26-499-2008.
- [81] Koval, A., and A. Szabo (2008), Modified “Rankine-Hugoniot” shock fitting technique: Simultaneous solution for shock normal and speed, *J. Geophys. Res.*, **113**, 10,110, doi:10.1029/2008JA013337.
- [82] Krucker, S., P. Saint-Hilaire, S. Christe, S. M. White, A. D. Chavier, S. D. Bale, and R. P. Lin (2008), Coronal Hard X-Ray Emission Associated with Radio Type III Bursts, *Astrophys. J.*, **681**, 644–649, doi:10.1086/588549.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [83] Kullen, A., J. A. Cumnock, and T. Karlsson (2008), Seasonal dependence and solar wind control of transpolar arc luminosity, *J. Geophys. Res.*, *113*, A08316, doi:10.1029/2008JA013086.
- [84] Ledenev, V. G., E. Aguilar-Rodriguez, V. V. Tirsky, and V. M. Tomozov (2008), Characteristics of plasma turbulence and radio emission from an interplanetary shock wave, *Astron. & Astrophys.*, *477*, 293–298, doi:10.1051/0004-6361:20078208.
- [85] Lehtinen, N. J., S. Pohjolainen, K. Huttunen-Heikinmaa, R. Vainio, E. Valtonen, and A. E. Hillaris (2008), Sources of SEP Acceleration during a Flare - CME Event, *Solar Phys.*, *247*, 151–169, doi:10.1007/s11207-007-9093-4.
- [86] Lei, J., W. Wang, A. G. Burns, S. C. Solomon, A. D. Richmond, M. Wiltberger, L. P. Goncharenko, A. Coster, and B. W. Reinisch (2008), Observations and simulations of the ionospheric and thermospheric response to the December 2006 geomagnetic storm: Initial phase, *J. Geophys. Res.*, *113*, A01,314, doi:10.1029/2007JA012807.
- [87] Leitner, M. (2008), Investigations on the evolution of magnetic clouds in the inner heliosphere, Ph.D. thesis, Karl Franzens Universität, Graz, Austria, advisor: H.K. Biernat and C.J. Farrugia.
- [88] Lemon, C. L., and T. P. O'Brien (2008), A solar wind driven model of geosynchronous plasma moments, *Adv. Space Res.*, *41*, 1226–1233, doi:10.1016/j.asr.2007.08.028.
- [89] Lepping, R. P., C.-C. Wu, N. Gopalswamy, and D. B. Berdichevsky (2008), Average Thickness of Magnetosheath Upstream of Magnetic Clouds at 1 AU versus Solar Longitude of Source, *Solar Phys.*, *248*, 125–139, doi:10.1007/s11207-007-9111-6.
- [90] Lepping, R. P., C.-C. Wu, D. B. Berdichevsky, and T. Ferguson (2008), Estimates of magnetic cloud expansion at 1 AU, *Ann. Geophys.*, *26*, 1919–1933, doi:10.5194/angeo-26-1919-2008.
- [91] Li, G., E. Lee, and G. Parks (2008), Are there current-sheet-like structures in the Earth's magnetotail as in the solar wind - results and implications from high time resolution magnetic field measurements by Cluster, *Ann. Geophys.*, *26*, 1889–1895, doi:10.5194/angeo-26-1889-2008.
- [92] Lin, C. C., H. Q. Feng, J. K. Chao, L. C. Lee, L. H. Lyu, and D. J. Wu (2008), A Shock Fitting Procedure Based on Monte Carlo Calculations: Application to Slow Shocks, *J. Geophys. Res.*, *113*, A01,101, doi:10.1029/2007JA012426.
- [93] Lin, R. P., D. W. Curtis, D. E. Larson, J. G. Luhmann, S. E. McBride, M. R. Maier, T. Moreau, C. S. Tindall, P. Turin, and L. Wang (2008), The STEREO IMPACT Suprathermal Electron (STE) Instrument, *Space Sci. Rev.*, *136*, 241–255, doi:10.1007/s11214-008-9330-7.
- [94] Liu, J., V. Angelopoulos, D. Sibeck, T. Phan, Z. Y. Pu, J. McFadden, K. H. Glassmeier, and H. U. Auster (2008), THEMIS observations of the dayside traveling compression

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- region and flows surrounding flux transfer events, *Geophys. Res. Lett.*, *35*, L17S07, doi: 10.1029/2008GL033673.
- [95] Liu, Y., W. B. Manchester, J. D. Richardson, J. G. Luhmann, R. P. Lin, and S. D. Bale (2008), Deflection flows ahead of ICMEs as an indicator of curvature and geoeffectiveness, *J. Geophys. Res.*, *113*, A00B03, doi:10.1029/2007JA012996.
- [96] Liu, Y., J. G. Luhmann, R. Müller-Mellin, P. C. Schroeder, L. Wang, R. P. Lin, S. D. Bale, Y. Li, M. H. Acuña, and J.-A. Sauvaud (2008), A Comprehensive View of the 2006 December 13 CME: From the Sun to Interplanetary Space, *Astrophys. J.*, *689*, 563–571, doi:10.1086/592031.
- [97] Luhmann, J. G., D. W. Curtis, P. Schroeder, J. McCauley, R. P. Lin, D. E. Larson, S. D. Bale, J.-A. Sauvaud, C. Aoustin, R. A. Mewaldt, A. C. Cummings, E. C. Stone, A. J. Davis, W. R. Cook, B. Kecman, M. E. Wiedenbeck, T. von Rosenvinge, M. H. Acuna, L. S. Reichenthal, S. Shuman, K. A. Wortman, D. V. Reames, R. Mueller-Mellin, H. Kunow, G. M. Mason, P. Walpole, A. Korth, T. R. Sanderson, C. T. Russell, and J. T. Gosling (2008), STEREO IMPACT Investigation Goals, Measurements, and Data Products Overview, *Space Sci. Rev.*, *136*, 117–184, doi:10.1007/s11214-007-9170-x.
- [98] Lui, A. T. Y., M. Volwerk, M. W. Dunlop, I. V. Alexeev, A. N. Fazakerley, A. P. Walsh, M. Lester, A. Grocott, C. Mouikis, M. G. Henderson, L. M. Kistler, C. Shen, J. K. Shi, T. L. Zhang, and H. Rème (2008), Near-Earth substorm features from multiple satellite observations, *J. Geophys. Res.*, *113*, A07S26, doi:10.1029/2007JA012738.
- [99] Lund, E. J., C. J. Farrugia, and P. E. Sandholt (2008), Momentum transfer at the high-latitude magnetopause and boundary layers, *Ann. Geophys.*, *26*, 2449–2458, doi: 10.5194/angeo-26-2449-2008.
- [100] Lyatsky, W., and G. V. Khazanov (2008), Effect of solar wind density on relativistic electrons at geosynchronous orbit, *Geophys. Res. Lett.*, *35*, L03109, doi: 10.1029/2007GL032524.
- [101] Lyatsky, W., and G. V. Khazanov (2008), A predictive model for relativistic electrons at geostationary orbit, *Geophys. Res. Lett.*, *35*, L15108, doi:10.1029/2008GL034688.
- [102] MacDowall, R. J., I. G. Richardson, R. A. Hess, and G. Thejappa (2009), Re-examining the correlation of complex solar type III radio bursts and solar energetic particles, in *IAU Symposium, IAU Symposium*, vol. 257, edited by N. Gopalswamy & D. F. Webb, pp. 335–340, doi:10.1017/S1743921309029512.
- [103] Magdalenić, J., B. Vršnak, S. Pohjolainen, M. Temmer, H. Aurass, and N. J. Lehtinen (2008), A Flare-Generated Shock during a Coronal Mass Ejection on 24 December 1996, *Solar Phys.*, *253*, 305–317, doi:10.1007/s11207-008-9220-x.
- [104] Mäkelä, P., N. Gopalswamy, S. Yashiro, S. Akiyama, H. Xie, and E. Valtonen (2009), SEPs and CMEs during cycle 23, in *IAU Symposium, IAU Symposium*, vol. 257, edited by N. Gopalswamy & D. F. Webb, pp. 475–477, doi:10.1017/S174392130902972X.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [105] Malzac, J., P. Lubiński, A. A. Zdziarski, M. Cadolle Bel, M. Türler, and P. Laurent (2008), An intense state of hard X-ray emission of Cyg X-1 observed by INTEGRAL coincident with TeV measurements, *Astron. & Astrophys.*, *492*, 527–534, doi:10.1051/0004-6361:200810227.
- [106] Manoj, C., S. Maus, H. Lühr, and P. Alken (2008), Penetration characteristics of the interplanetary electric field to the daytime equatorial ionosphere, *J. Geophys. Res.*, *113*, A12310, doi:10.1029/2008JA013381.
- [107] Mansilla, G. A. (2008), Solar wind and IMF parameters associated with geomagnetic storms with  $Dst < -50$  nT, *Phys. Scripta*, *78*(4), 045902, doi:10.1088/0031-8949/78/04/045902.
- [108] Mason, G. M., A. Korth, P. H. Walpole, M. I. Desai, T. T. von Rosenvinge, and S. A. Shuman (2008), The Suprathermal Ion Telescope (SIT) For the IMPACT/SEP Investigation, *Space Sci. Rev.*, *136*, 257–284, doi:10.1007/s11214-006-9087-9.
- [109] Maynard, N. C., C. J. Farrugia, D. M. Ober, W. J. Burke, M. Dunlop, F. S. Mozer, H. Rème, P. Décréau, and K. D. Siebert (2008), Cluster observations of fast shocks in the magnetosheath launched as a tangential discontinuity with a pressure increase crossed the bow shock, *J. Geophys. Res.*, *113*, 10,212, doi:10.1029/2008JA013121.
- [110] Mazets, E. P., R. L. Aptekar, T. L. Cline, D. D. Frederiks, J. O. Goldsten, S. V. Golenetskii, K. Hurley, A. von Kienlin, and V. D. Pal'shin (2008), A Giant Flare from a Soft Gamma Repeater in the Andromeda Galaxy (M31), *Astrophys. J.*, *680*, 545–549, doi:10.1086/587955.
- [111] McCollough, J. P., J. L. Gannon, D. N. Baker, and M. Gehmeyr (2008), A statistical comparison of commonly used external magnetic field models, *Space Weather*, *6*, S10001, doi:10.1029/2008SW000391.
- [112] McFadden, J. P., T. D. Phan, C. W. Carlson, V. Angelopoulos, K.-H. Glassmeier, and U. Auster (2008), Structure of the subsolar magnetopause regions during northward IMF: First results from THEMIS, *Geophys. Res. Lett.*, *351*, L17S09, doi:10.1029/2008GL033630.
- [113] McFadden, J. P., C. W. Carlson, D. Larson, M. Ludlam, R. Abiad, B. Elliott, P. Turin, M. Marckwardt, and V. Angelopoulos (2008), The THEMIS ESA Plasma Instrument and In-flight Calibration, *Space Sci. Rev.*, *141*, 277–302, doi:10.1007/s11214-008-9440-2.
- [114] McFadden, J. P., C. W. Carlson, D. Larson, J. Bonnell, F. Mozer, V. Angelopoulos, K.-H. Glassmeier, and U. Auster (2008), THEMIS ESA First Science Results and Performance Issues, *Space Sci. Rev.*, *141*, 477–508, doi:10.1007/s11214-008-9433-1.
- [115] McKenna-Lawlor, S. M. P., M. Dryer, C. D. Fry, Z. K. Smith, D. S. Intriligator, W. R. Courtney, C. S. Deehr, W. Sun, K. Kecskemeti, K. Kudela, J. Balaz, S. Barabash, Y. Futaana, M. Yamauchi, and R. Lundin (2008), Predicting interplanetary shock arrivals at Earth, Mars, and Venus: A real-time modeling experiment following the solar flares of 5-14 December 2006, *J. Geophys. Res.*, *113*, A06,101, doi:10.1029/2007JA012577.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [116] Mewaldt, R. A., C. M. S. Cohen, W. R. Cook, A. C. Cummings, A. J. Davis, S. Geier, B. Kecman, J. Klemic, A. W. Labrador, R. A. Leske, H. Miyasaka, V. Nguyen, R. C. Ogliore, E. C. Stone, R. G. Radocinski, M. E. Wiedenbeck, J. Hawk, S. Shuman, T. T. von Rosenvinge, and K. Wortman (2008), The Low-Energy Telescope (LET) and SEP Central Electronics for the STEREO Mission, *Space Sci. Rev.*, **136**, 285–362, doi:10.1007/s11214-007-9288-x.
- [117] Michalek, G., N. Gopalswamy, and S. Yashiro (2008), Space Weather Application Using Projected Velocity Asymmetry of Halo CMEs, *Solar Phys.*, **248**, 113–123, doi:10.1007/s11207-008-9126-7.
- [118] Mikhalev, A. V., J. Xu, V. I. Degtyarev, and W. Yuan (2008), Initial phase of mid-latitude aurora during strong geomagnetic storms, *Adv. Space Res.*, **42**, 992–998, doi:10.1016/j.asr.2007.11.025.
- [119] Mishra, R. K., and R. Agarwal (2008), Cosmic ray intensity during the passage of coronal mass ejections, *Brazilian J. Phys.*, **38**, 569–572, doi:10.1590/S0103-97332008000500007.
- [120] Miyoshi, Y., and R. Kataoka (2008), Probabilistic space weather forecast of the relativistic electron flux enhancement at geosynchronous orbit, *J. Atmos. Solar-Terr. Phys.*, **70**, 475–481, doi:10.1016/j.jastp.2007.08.066.
- [121] Miyoshi, Y., and R. Kataoka (2008), Flux enhancement of the outer radiation belt electrons after the arrival of stream interaction regions, *J. Geophys. Res.*, **113**, A03S09, doi:10.1029/2007JA012506.
- [122] Momeni, M., and W.-C. Müller (2008), Probability distributions of turbulent energy, *Phys. Rev. E*, **77**, 056,401–+, doi:10.1103/PhysRevE.77.056401.
- [123] Möstl, C., C. Miklenic, C. J. Farrugia, M. Temmer, A. Veronig, A. B. Galvin, B. Vršnak, and H. K. Biernat (2008), Two-spacecraft reconstruction of a magnetic cloud and comparison to its solar source, *Ann. Geophys.*, **26**, 3139–3152, doi:10.5194/angeo-26-3139-2008.
- [124] Nakwacki, M. S., S. Dasso, C. H. Mandrini, and P. Démoulin (2008), Analysis of large scale MHD quantities in expanding magnetic clouds, *J. Atmos. Solar-Terr. Phys.*, **70**, 1318–1326, doi:10.1016/j.jastp.2008.03.006.
- [125] Newell, P. T., T. Sotirelis, K. Liou, and F. J. Rich (2008), Pairs of solar wind-magnetosphere coupling functions: Combining a merging term with a viscous term works best, *J. Geophys. Res.*, **113**, A04218, doi:10.1029/2007JA012825.
- [126] Nishino, M. N., M. Fujimoto, T.-D. Phan, T. Mukai, Y. Saito, M. M. Kuznetsova, and L. Rastätter (2008), Anomalous Flow Deflection at Earth's Low-Alfvén-Mach-Number Bow Shock, *Phys. Rev. Lett.*, **101**, 065,003–+, doi:10.1103/PhysRevLett.101.065003.
- [127] Nitta, N. V., and M. L. De Rosa (2008), A Comparison of Solar Open Field Regions Found by Type III Radio Bursts and the Potential Field Source Surface Model, *Astrophys. J.*, **673**, L207–L210, doi:10.1086/527548.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [128] Nitta, N. V., G. M. Mason, M. E. Wiedenbeck, C. M. S. Cohen, S. Krucker, I. G. Hannah, M. Shimojo, and K. Shibata (2008), Coronal Jet Observed by Hinode as the Source of a  ${}^3\text{He}$ -rich Solar Energetic Particle Event, *Astrophys. J. Lett.*, **675**, L125–L128, doi: 10.1086/533438.
- [129] Nowakowski, R., and M. Bojanowska (2008), Storm-time dynamic Alfvén layers: Testing electric and magnetic field models, *J. Atmos. Solar-Terr. Phys.*, **70**, 526–531, doi: 10.1016/j.jastp.2007.08.062.
- [130] Ohno, M., Y. Fukazawa, T. Takahashi, K. Yamaoka, S. Sugita, V. Pal'Shin, D. Frederiks, P. Oleynik, M. Ulanov, T. Sakamoto, G. Sato, K. Hurley, M. S. Tashiro, Y. Urata, K. Onda, T. Tamagawa, Y. Terada, M. Suzuki, and H. Soojing (2008), Spectral Properties of Prompt Emission of Four Short Gamma-Ray Bursts Observed by the Suzaku-WAM and the Konus-Wind, *Publ. Astron. Soc. Japan*, **60**, 361–+.
- [131] Øieroset, M., T. D. Phan, D. H. Fairfield, J. Raeder, J. T. Gosling, J. F. Drake, and R. P. Lin (2008), The existence and properties of the distant magnetotail during 32 hours of strongly northward interplanetary magnetic field, *J. Geophys. Res.*, **113**, A04,206, doi: 10.1029/2007JA012679.
- [132] Owens, M. J., C. N. Arge, N. U. Crooker, N. A. Schwadron, and T. S. Horbury (2008), Estimating total heliospheric magnetic flux from single-point in situ measurements, *J. Geophys. Res.*, **113**, A12103, doi:10.1029/2008JA013677.
- [133] Paschmann, G. (2008), Recent in-situ observations of magnetic reconnection in near-Earth space, *Geophys. Res. Lett.*, **351**, L19,109, doi:10.1029/2008GL035297.
- [134] Penz, T., C. J. Farrugia, V. V. Ivanova, V. S. Semenov, H. K. Biernat, and R. Torbert (2008), Two-spacecraft observations of reconnection at the magnetopause: Model results and data comparison, *Adv. Space Res.*, **41**, 1551–1555, doi:10.1016/j.asr.2006.11.027.
- [135] Pilipenko, V. A., O. M. Chugunova, and M. J. Engebretson (2008), Pc3 4 ULF waves at polar latitudes, *J. Atmos. Solar-Terr. Phys.*, **70**, 2262–2274, doi: 10.1016/j.jastp.2008.09.006.
- [136] Plaschke, F., K.-H. Glassmeier, O. D. Constantinescu, I. R. Mann, D. K. Milling, U. Motschmann, and I. J. Rae (2008), Statistical analysis of ground based magnetic field measurements with the field line resonance detector, *Ann. Geophys.*, **26**, 3477–3489, doi:10.5194/angeo-26-3477-2008.
- [137] Podesta, J. J. (2008), Self-similar stochastic processes in solar wind turbulence, *Adv. Space Res.*, **41**, 148–152, doi:10.1016/j.asr.2007.07.008.
- [138] Podesta, J. J., A. Bhattacharjee, B. D. G. Chandran, M. L. Goldstein, and D. A. Roberts (2008), Scale dependent alignment between velocity and magnetic field fluctuations in the solar wind and comparisons to Boldyrev's phenomenological theory, in *American Institute of Physics Conference Series*, *American Institute of Physics Conference Series*, vol. 1039, edited by G. Li, Q. Hu, O. Verkhoglyadova, G. P. Zank, R. P. Lin, & J. Luhmann , pp. 81–86, doi:10.1063/1.2982489.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [139] Pohjolainen, S. (2008), Shock-related radio emission during coronal mass ejection lift-off?, *Astron. & Astrophys.*, **483**, 297–300, doi:10.1051/0004-6361:20079155.
- [140] Pohjolainen, S., J. Pomoell, and R. Vainio (2008), CME liftoff with high-frequency fragmented type II burst emission, *Astron. & Astrophys.*, **490**, 357–363, doi:10.1051/0004-6361:200810049.
- [141] Pohjolainen, S., K. Hori, and T. Sakurai (2008), Radio Bursts Associated with Flare and Ejecta in the 13 July 2004 Event, *Solar Phys.*, **253**, 291–303, doi:10.1007/s11207-008-9260-2.
- [142] Pothitakis, G., P. Preka-Papadema, X. Moussas, C. Caroubalos, C. Alissandrakis, P. Tsitsipis, A. Kontogeorgos, and A. Hillaris (2009), Relation between coronal type II bursts, associated flares and CMEs, in *IAU Symposium, IAU Symposium*, vol. 257, edited by N. Gopalswamy & D. F. Webb, pp. 299–301, doi:10.1017/S1743921309029457.
- [143] Pulupa, M., and S. D. Bale (2008), Structure on Interplanetary Shock Fronts: Type II Radio Burst Source Regions, *Astrophys. J.*, **676**, 1330–1337, doi:10.1086/526405.
- [144] Racusin, J. L., and D. N. Burrows (2008), GRB 080319B: A Naked-Eye Stellar Blast from the Distant Universe, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1065, edited by Y.-F. Huang, Z.-G. Dai, & B. Zhang, pp. 245–250, doi:10.1063/1.3027921.
- [145] Racusin, J. L., S. V. Karpov, M. Sokolowski, J. Granot, X. F. Wu, V. Pal'Shin, S. Covino, A. J. van der Horst, S. R. Oates, P. Schady, R. J. Smith, J. Cummings, R. L. C. Starling, L. W. Piotrowski, B. Zhang, P. A. Evans, S. T. Holland, K. Malek, M. T. Page, L. Vetere, R. Margutti, C. Guidorzi, A. P. Kamble, P. A. Curran, A. Beardmore, C. Kouveliotou, L. Mankiewicz, A. Melandri, P. T. O'Brien, K. L. Page, T. Piran, N. R. Tanvir, G. Wrochna, R. L. Aptekar, S. Barthelmy, C. Bartolini, G. M. Beskin, S. Bondar, M. Bremer, S. Campana, A. Castro-Tirado, A. Cucchiara, M. Cwiok, P. D'Avanzo, V. D'Elia, M. Della Valle, A. de Ugarte Postigo, W. Dominik, A. Falcone, F. Fiore, D. B. Fox, D. D. Frederiks, A. S. Fruchter, D. Fugazza, M. A. Garrett, N. Gehrels, S. Golenetskii, A. Gomboc, J. Gorosabel, G. Greco, A. Guarnieri, S. Immler, M. Jelinek, G. Kasprowicz, V. La Parola, A. J. Levan, V. Mangano, E. P. Mazets, E. Molinari, A. Moretti, K. Nawrocki, P. P. Oleynik, J. P. Osborne, C. Pagani, S. B. Pandey, Z. Paragi, M. Perri, A. Piccioni, E. Ramirez-Ruiz, P. W. A. Roming, I. A. Steele, R. G. Strom, V. Testa, G. Tosti, M. V. Ulanov, K. Wiersema, R. A. M. J. Wijers, J. M. Winters, A. F. Zarnecki, F. Zerbi, P. Mészáros, G. Chincarini, and D. N. Burrows (2008), Broadband observations of the naked-eye  $\gamma$ -ray burst GRB080319B, *Nature*, **455**, 183–188, doi:10.1038/nature07270.
- [146] Rathod, J., G. Rajaram, R. Alyana, A. C. Reddy, D. S. Misra, C. G. Patil, M. Y. S. Prasad, and A. G. Ananth (2008), Relationship between interplanetary (IP) parameters and geomagnetic indices during IP shock events of 2005, *J. Astrophys. & Astron.*, **29**, 293–302, doi:10.1007/s12036-008-0039-5.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [147] Reiner, M. J., K.-L. Klein, M. Karlický, K. Jiřička, A. Klassen, M. L. Kaiser, and J.-L. Bougeret (2008), Solar Origin of the Radio Attributes of a Complex Type III Burst Observed on 11 April 2001, *Solar Phys.*, *249*, 337–354, doi:10.1007/s11207-008-9189-5.
- [148] Romashets, E., M. Vandas, and S. Poedts (2008), Magnetic field disturbances in the sheath region of a super-sonic interplanetary magnetic cloud, *Ann. Geophys.*, *26*, 3153–3158, doi:10.5194/angeo-26-3153-2008.
- [149] Rossolenko, S. S., E. E. Antonova, Y. I. Yermolaev, M. I. Verigin, I. P. Kirpichev, and N. L. Borodkova (2008), Turbulent fluctuations of plasma and magnetic field parameters in the magnetosheath and the low-latitude boundary layer formation: Multisatellite observations on March 2, 1996, *Cosmic Res.*, *46*, 373–382, doi:10.1134/S0010952508050018.
- [150] Rossolenko, S. S., E. E. Antonova, Y. I. Yermolaev, I. P. Kirpichev, N. L. Borodkova, and E. Y. Budnik (2008), Formation and characteristics of low latitude boundary layer, *Adv. Space Res.*, *41*, 1545–1550, doi:10.1016/j.asr.2007.06.069.
- [151] Runov, A., I. Voronkov, Y. Asano, W. Baumjohann, M. Fujimoto, R. Nakamura, T. Takada, M. Volwerk, Z. Vörös, M. Meurant, A. Fazakerley, H. Rème, and A. Balogh (2008), Structure of the near-Earth plasma sheet during tailward flows, *Ann. Geophys.*, *26*, 709–724, doi:10.5194/angeo-26-709-2008.
- [152] Rust, D. M., D. K. Haggerty, M. K. Georgoulis, N. R. Sheeley, Y.-M. Wang, M. L. De Rosa, and C. J. Schrijver (2008), On the Solar Origins of Open Magnetic Fields in the Heliosphere, *Astrophys. J.*, *687*, 635–645, doi:10.1086/592017.
- [153] Saito, Y., S. Yokota, K. Asamura, T. Tanaka, R. Akiba, M. Fujimoto, H. Hasegawa, H. Hayakawa, M. Hirahara, M. Hoshino, S. Machida, T. Mukai, T. Nagai, T. Nagatsuma, M. Nakamura, K.-I. Oyama, E. Sagawa, S. Sasaki, K. Seki, and T. Terasawa (2008), Low-energy charged particle measurement by MAP-PACE onboard SELENE, *Earth, Planets, and Space*, *60*, 375–385.
- [154] Saito, Y., S. Yokota, T. Tanaka, K. Asamura, M. N. Nishino, M. Fujimoto, H. Tsunakawa, H. Shibuya, M. Matsushima, H. Shimizu, F. Takahashi, T. Mukai, and T. Terasawa (2008), Solar wind proton reflection at the lunar surface: Low energy ion measurement by MAP-PACE onboard SELENE (KAGUYA), *Geophys. Res. Lett.*, *352*, L24,205, doi:10.1029/2008GL036077.
- [155] Saiz, E., C. Cid, and Y. Cerrato (2008), Forecasting intense geomagnetic activity using interplanetary magnetic field data, *Ann. Geophys.*, *26*, 3989–3998, doi:10.5194/angeo-26-3989-2008.
- [156] Sandholt, P. E., and C. J. Farrugia (2008), The role of external triggers in flow shear arcs in the dayside aurora, *Ann. Geophys.*, *26*, 2159–2177, doi:10.5194/angeo-26-2159-2008.
- [157] Sandholt, P. E., and C. J. Farrugia (2008), Polar observations of ion/electron bursts at the pre-dawn polar cap boundary: evidence for internal reconnection of overdraped lobe flux, *Ann. Geophys.*, *26*, 2191–2202, doi:10.5194/angeo-26-2191-2008.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [158] Santos-Costa, D., S. J. Bolton, R. M. Thorne, Y. Miyoshi, and S. M. Levin (2008), Investigating the origins of the Jovian decimetric emission's variability, *J. Geophys. Res.*, **113**, A01204, doi:10.1029/2007JA012396.
- [159] Savin, S., E. Amata, L. Zelenyi, V. Budaev, G. Consolini, R. Treumann, E. Lucek, J. Safrankova, Z. Nemecek, Y. Khotyaintsev, M. Andre, J. Buechner, H. Alleyne, P. Song, J. Blecki, J. L. Rauch, S. Romanov, S. Klimov, and A. Skalsky (2008), High energy jets in the Earth's magnetosheath: Implications for plasma dynamics and anomalous transport, *Sov. Phys.-JETP*, **87**, 593–599, doi:10.1134/S0021364008110015.
- [160] Sergeev, V. A., S. V. Apatenkov, V. Angelopoulos, J. P. McFadden, D. Larson, J. W. Bonnell, M. Kuznetsova, N. Partamies, and F. Honary (2008), Simultaneous THEMIS observations in the near-tail portion of the inner and outer plasma sheet flux tubes at substorm onset, *J. Geophys. Res.*, **113**, A00C02, doi:10.1029/2008JA013527.
- [161] Sharma, J., N. Mittal, V. Tomar, and U. Narain (2008), On properties of radio-rich coronal mass ejections, *Astrophys. Space Sci.*, **317**, 261–265, doi:10.1007/s10509-008-9886-4.
- [162] Sheeley, N. R., Jr., A. D. Herbst, C. A. Palatchi, Y.-M. Wang, R. A. Howard, J. D. Moses, A. Vourlidas, J. S. Newmark, D. G. Socker, S. P. Plunkett, C. M. Korendyke, L. F. Burlaga, J. M. Davila, W. T. Thompson, O. C. St Cyr, R. A. Harrison, C. J. Davis, C. J. Eyles, J. P. Halain, D. Wang, N. B. Rich, K. Battams, E. Esfandiari, and G. Stenborg (2008), Heliospheric Images of the Solar Wind at Earth, *Astrophys. J.*, **675**, 853–862, doi:10.1086/526422.
- [163] Shen, C., Y. Wang, P. Ye, and S. Wang (2008), Enhancement of Solar Energetic Particles During a Shock Magnetic Cloud Interacting Complex Structure, *Solar Phys.*, **252**, 409–418, doi:10.1007/s11207-008-9268-7.
- [164] Shi, Y., E. Zesta, and L. R. Lyons (2008), Modeling magnetospheric current response to solar wind dynamic pressure enhancements during magnetic storms: 1. Methodology and results of the 25 September 1998 peak main phase case, *J. Geophys. Res.*, **113**, A10,218, doi:10.1029/2008JA013111.
- [165] Sigsbee, K., J. D. Menietti, O. Santolík, and J. B. Blake (2008), Polar PWI and CEP-PAD observations of chorus emissions and radiation belt electron acceleration: Four case studies, *J. Atmos. Solar-Terr. Phys.*, **70**, 1774–1788, doi:10.1016/j.jastp.2008.02.005.
- [166] Smith, E. J., and A. Balogh (2008), Decrease in heliospheric magnetic flux in this solar minimum: Recent Ulysses magnetic field observations, *Geophys. Res. Lett.*, **35**, L22103, doi:10.1029/2008GL035345.
- [167] Stauning, P., O. Troshichev, and A. Janzhura (2008), The Polar Cap (PC) indices: Relations to solar wind parameters and global magnetic activity, *J. Atmos. Solar-Terr. Phys.*, **70**, 2246–2261, doi:10.1016/j.jastp.2008.09.028.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [168] Struminsky, A., and I. Zimovets (2008), Time Scales of Hard X-ray and Radio Emissions of Large Proton Flares, in *International Cosmic Ray Conference, International Cosmic Ray Conference*, vol. 1, pp. 7–10.
- [169] Štverák, v., P. Trávníček, M. Maksimovic, E. Marsch, A. N. Fazakerley, and E. E. Scime (2008), Electron temperature anisotropy constraints in the solar wind, *J. Geophys. Res.*, **113**, A03,103, doi:10.1029/2007JA012733.
- [170] Tan, C., and Y. Yan (2008), Source investigation of impulsive  ${}^3\text{He}$ -rich particle events, *Adv. Space Res.*, **41**, 992–997, doi:10.1016/j.asr.2007.05.077.
- [171] Tan, C., Y. H. Yan, Y. Y. Liu, Q. J. Fu, S. J. Wang, H. R. Ji, Z. J. Chen, and H. R. Jing (2008), Statistical study of radio drifting pulsation structures with associated CMEs and other observations, *Adv. Space Res.*, **41**, 969–975, doi:10.1016/j.asr.2007.04.085.
- [172] Tan, L. C., D. V. Reames, and C. K. Ng (2008), Ion Anisotropy and High-Energy Variability of Large Solar Particle Events: A Comparative Study, *Astrophys. J.*, **678**, 1471–1479, doi:10.1086/533490.
- [173] Taylor, M. G. G. T., and B. Lavraud (2008), Observation of three distinct ion populations at the Kelvin-Helmholtz-unstable magnetopause, *Ann. Geophys.*, **26**, 1559–1566, doi:10.5194/angeo-26-1559-2008.
- [174] Thejappa, G., and R. J. MacDowall (2008), Monte Carlo Simulation of Scattering of Solar Radio Emissions, in *Turbulence, Dynamos, Accretion Disks, Pulsars and Collective Plasma Processes*, edited by S. S. Hasan, R. T. Gangadhara, & V. Krishan, pp. 311–+, doi:10.1007/978-1-4020-8868-1\_21.
- [175] Tindall, C. S., N. P. Palaio, B. A. Ludewigt, S. E. Holland, D. E. Larson, D. W. Curtis, S. E. McBride, T. Moreau, R. P. Lin, and V. Angelopoulos (2008), Silicon Detectors for Low Energy Particle Detection, *IEEE Trans. Nucl. Sci.*, **55**, 797–801, doi:10.1109/TNS.2008.918527.
- [176] Usanova, M. E., I. R. Mann, I. J. Rae, Z. C. Kale, V. Angelopoulos, J. W. Bonnell, K.-H. Glassmeier, H. U. Auster, and H. J. Singer (2008), Multipoint observations of magnetospheric compression-related EMIC Pc1 waves by THEMIS and CARISMA, *Geophys. Res. Lett.*, **35**, L17S25, doi:10.1029/2008GL034458.
- [177] Valenti, S., S. Benetti, E. Cappellaro, F. Patat, P. Mazzali, M. Turatto, K. Hurley, K. Maeda, A. Gal-Yam, R. J. Foley, A. V. Filippenko, A. Pastorello, P. Challis, F. Frontera, A. Harutyunyan, M. Iye, K. Kawabata, R. P. Kirshner, W. Li, Y. M. Lipkin, T. Matheson, K. Nomoto, E. O. Ofek, Y. Ohyama, E. Pian, D. Poznanski, M. Salvo, D. N. Sauer, B. P. Schmidt, A. Soderberg, and L. Zampieri (2008), The broad-lined Type Ic supernova 2003jd, *Mon. Not. Roy. Astron. Soc.*, **383**, 1485–1500, doi:10.1111/j.1365-2966.2007.12647.x.
- [178] van Driel-Gesztelyi, L., C. P. Goff, P. Démoulin, J. L. Culhane, S. A. Matthews, L. K. Harra, C. H. Mandrini, K.-L. Klein, and H. Kurokawa (2008), Multi-scale reconnections in a complex CME, *Adv. Space Res.*, **42**, 858–865, doi:10.1016/j.asr.2007.04.065.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [179] Vocks, C., G. Mann, and G. Rausche (2008), Formation of suprathermal electron distributions in the quiet solar corona, *Astron. & Astrophys.*, *480*, 527–536, doi:10.1051/0004-6361:20078826.
- [180] Wan, W., G. Lapenta, G. L. Delzanno, and J. Egedal (2008), Electron acceleration during guide field magnetic reconnection, *Phys. Plasmas*, *15*, 032,903–+, doi:10.1063/1.2876465.
- [181] Wang, R.-G. (2008), Proton spectrum of the 2005 January 20 solar flare, *Chinese Phys. C*, *32*, 104–+, doi:10.1088/1674-1137/32/2/006.
- [182] Wang, W., Y. Yan, and M. Huang (2008), Very low frequency interferometry for the Chang'E-2 project, *Adv. Space Res.*, *42*, 103–105, doi:10.1016/j.asr.2008.02.018.
- [183] Wang, Y.-M. (2008), Relating the Solar Wind Helium Abundance to the Coronal Magnetic Field, *Astrophys. J.*, *683*, 499–509, doi:10.1086/589766.
- [184] Weimer, D. R., and J. H. King (2008), Improved calculations of interplanetary magnetic field phase front angles and propagation time delays, *J. Geophys. Res.*, *113*, A01,105, doi:10.1029/2007JA012452.
- [185] Winglee, R. M., W. K. Peterson, A. W. Yau, E. Harnett, and A. Stickle (2008), Model/data comparisons of ionospheric outflow as a function of invariant latitude and magnetic local time, *J. Geophys. Res.*, *113*, A06,220, doi:10.1029/2007JA012817.
- [186] Wu, C.-C., and R. P. Lepping (2008), Geomagnetic activity associated with magnetic clouds, magnetic cloud-like structures and interplanetary shocks for the period 1995–2003, *Adv. Space Res.*, *41*, 335–338, doi:10.1016/j.asr.2007.02.027.
- [187] Wu, D. J., H. Q. Feng, and J. K. Chao (2008), Energy spectrum of interplanetary magnetic flux ropes and its connection with solar activity, *Astron. & Astrophys.*, *480*, L9–L12, doi:10.1051/0004-6361:20079173.
- [188] Xie, H., N. Gopalswamy, O. C. St. Cyr, and S. Yashiro (2008), Effects of solar wind dynamic pressure and preconditioning on large geomagnetic storms, *Geophys. Res. Lett.*, *35*, L06S08, doi:10.1029/2007GL032298.
- [189] Yurchyshyn, V. (2008), Relationship between EIT Posteruption Arcades, Coronal Mass Ejections, the Coronal Neutral Line, and Magnetic Clouds, *Astrophys. J.*, *675*, L49–L52, doi:10.1086/533413.
- [190] Zaslavsky, G., P. Guzdar, M. Edelmann, M. Sitnov, and A. Sharma (2008), Multiscale behavior and fractional kinetics from the data of solar wind magnetosphere coupling, *Comm. Nonlin. Sci. Numerical Simulations*, *13*, 314–330, doi:10.1016/j.cnsns.2006.04.003.
- [191] Zastenker, G., and M. Riazantseva (2008), Similarity and difference of the durations of the small-scale solar wind structure boundaries by multipoint observations, *J. Atmos. Solar-Terr. Phys.*, *70*, 377–383, doi:10.1016/j.jastp.2007.08.056.

**List of Refereed Publications**  
**Wind Spacecraft: 2008**

- [192] Zhang, T. L., C. T. Russell, W. Zambelli, Z. Vörös, C. Wang, J. B. Cao, L. K. Jian, R. J. Strangeway, M. Balikhin, W. Baumjohann, M. Delva, M. Volwerk, and K.-H. Glassmeier (2008), Behavior of current sheets at directional magnetic discontinuities in the solar wind at 0.72 AU, *Geophys. Res. Lett.*, *35*, L24,102, doi:10.1029/2008GL036120.
- [193] Zhou, Y.-F., X.-S. Feng, and S. Wu T. (2008), Numerical Simulation of the 12 May 1997 CME Event, *Chinese Phys. Lett.*, *25*, 790–793, doi:10.1088/0256-307X/25/2/119.
- [194] Zong, Q.-G., H. Zhang, T. A. Fritz, M. L. Goldstein, S. Wing, W. Keith, J. D. Winingham, R. Frahm, M. W. Dunlop, A. Korth, P. W. Daly, H. Rème, A. Balogh, and A. N. Fazakerley (2008), Multiple cusps during an extended northward IMF period with a significant  $B_y$  component, *J. Geophys. Res.*, *113*, A01,210, doi:10.1029/2006JA012188.
- [195] Zong, W.-G. (2008), Large-scale disturbances preceding a fast halo CME, *Astron. & Astrophys.*, *479*, 859–864, doi:10.1051/0004-6361:20078575.